

FIGURES

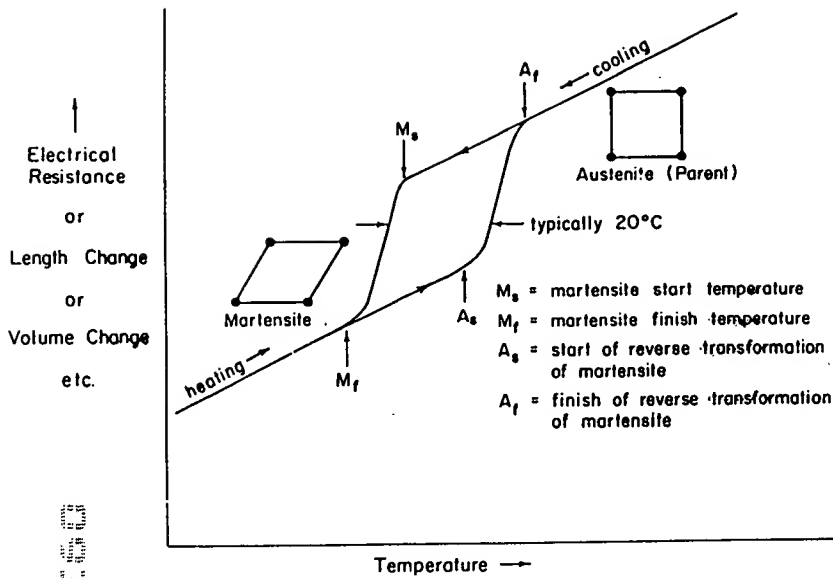


Fig.1 The Shape Memory Alloy Transformation Showing Hysteresis and Critical Temperatures

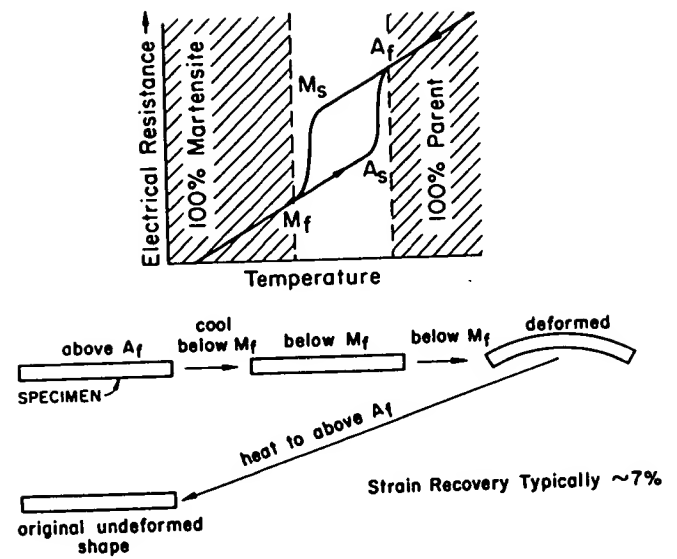


Fig.2 The Shape Memory Effect

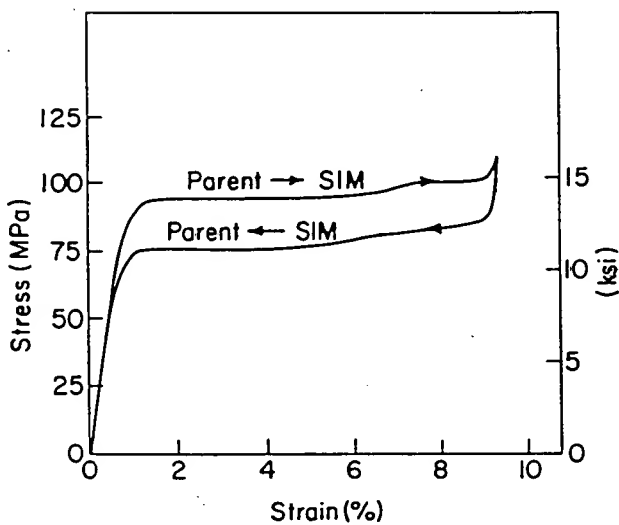


Fig.3 Pseudoelastic Behavior Showing Stress-Induced Martensite

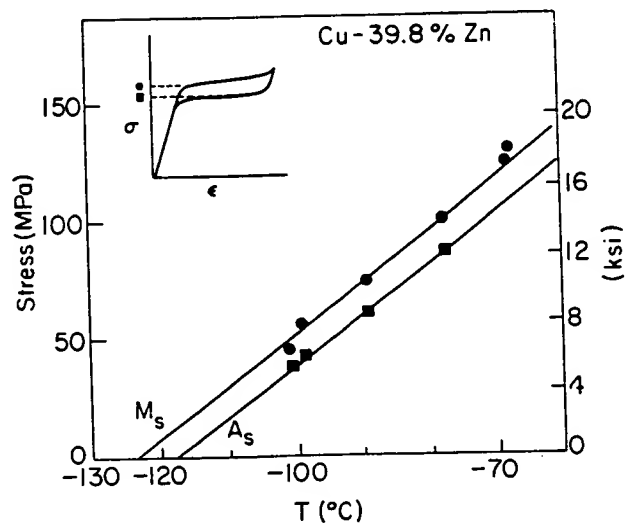


Fig.4 Temperature Dependence of Stress-Induced Martensite

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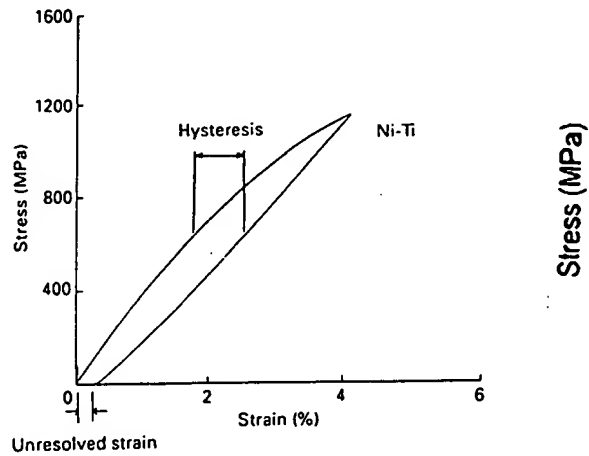


Fig. 5 Stress-Strain Diagram for Cold Worked Martensite Yielding Linear Superelastic Behavior

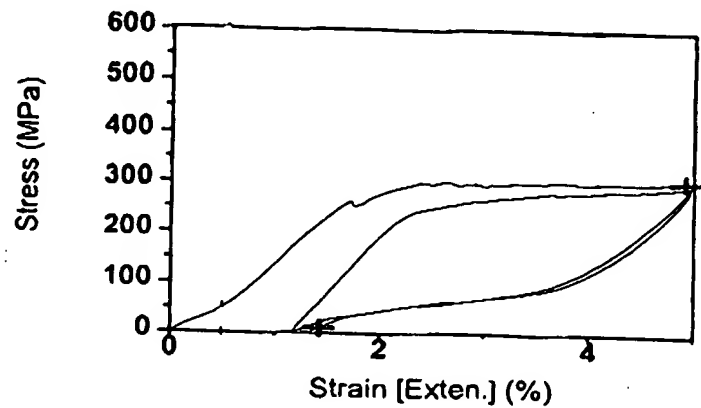


Fig. 6 Alloy of Claim 3 with 850°C 30 min./WQ + 350°C 30min/WQ Treatment Tested at -20°C

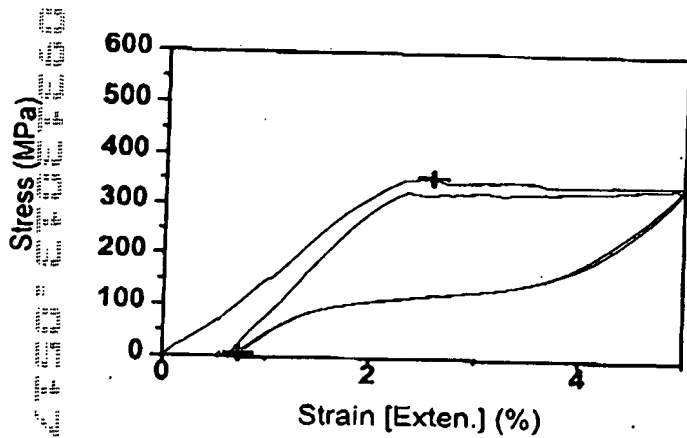


Fig. 7 Alloy of Fig. 6 Tested at -10°C

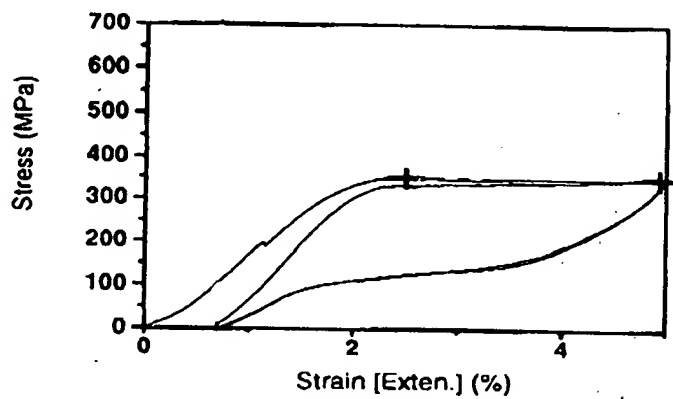


Fig. 8 Alloy of Fig. 6 Tested at 0°C

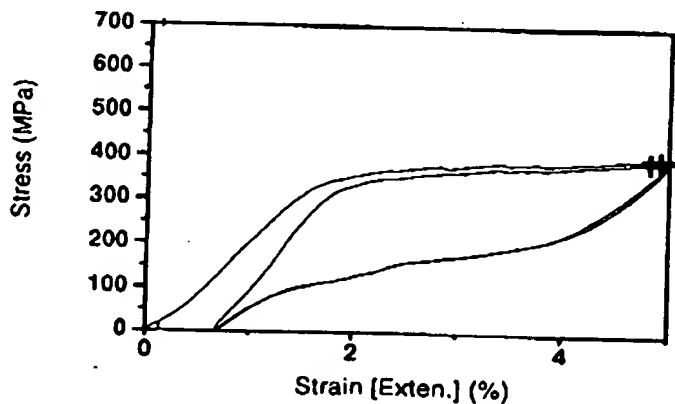


Fig. 9 Alloy of Fig. 6 Tested at +10°C

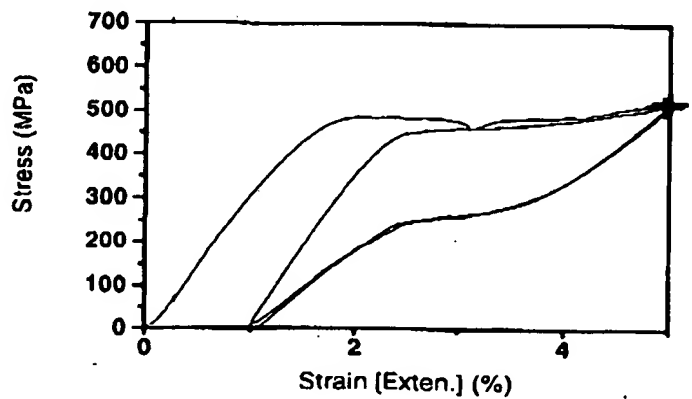


Fig. 10 Alloy of Fig. 6 Tested at 30°C

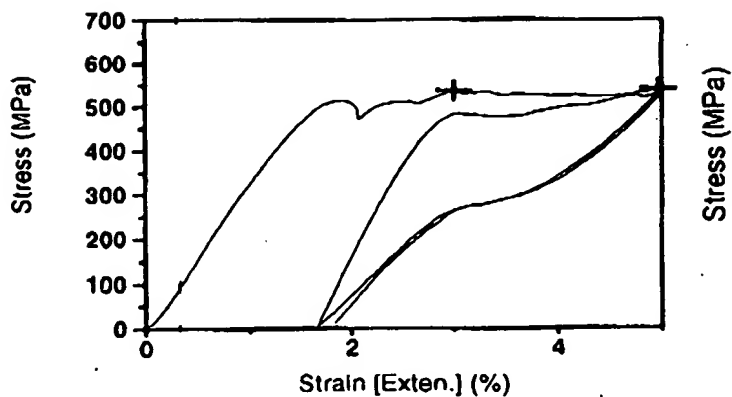


Fig. 11 Alloy of Fig. 6 Tested at 40°C

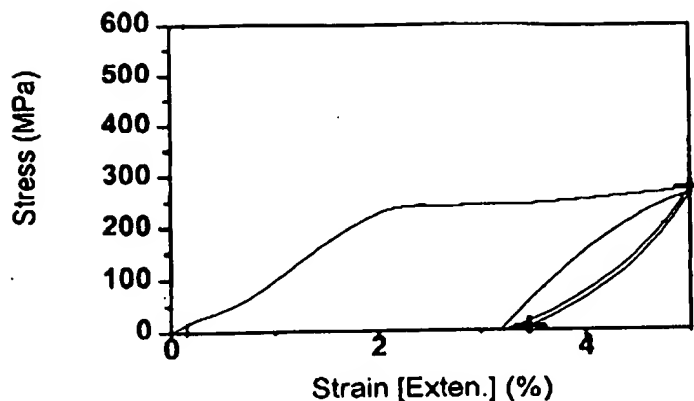


Fig. 12 Alloy of Claim 3 With 850°C
WQ-350°C 60min/WQ Tested
At -20°C

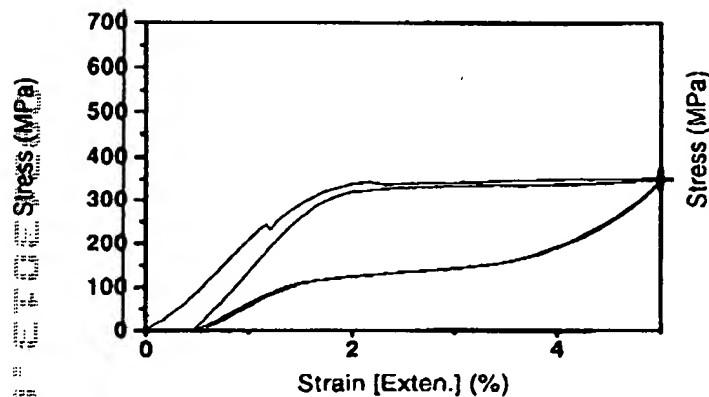


Fig. 13 Alloy of Fig. 12 Tested at 0°C

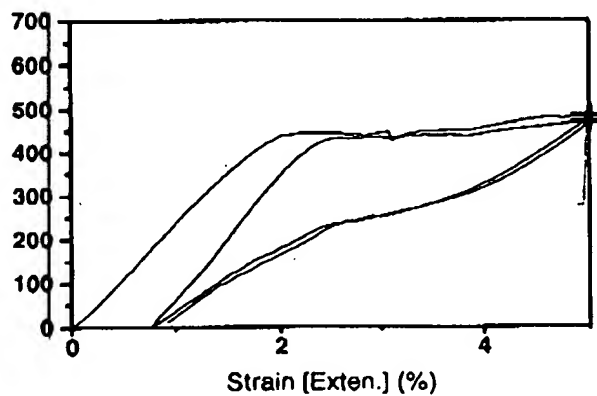


Fig. 14 Alloy of Fig. 12 Tested at 25°C

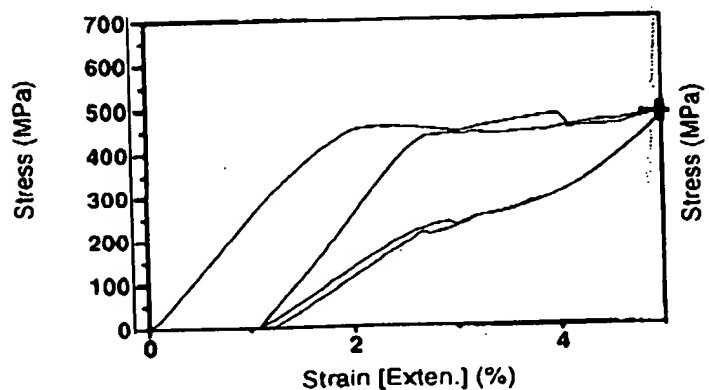


Fig. 15 -Alloy of Fig. 12 Tested at 30°C

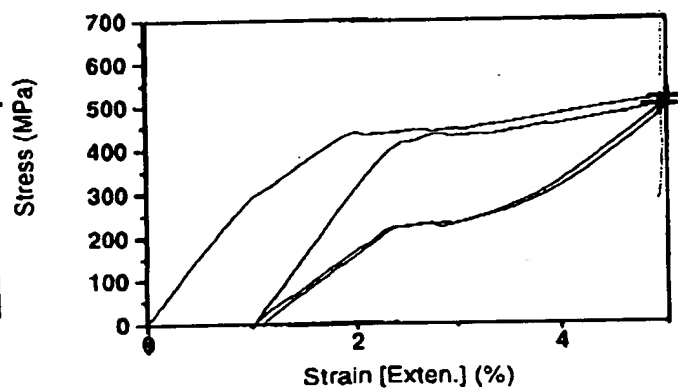


Fig. 16 Alloy of Fig. 12 Tested at 40°C

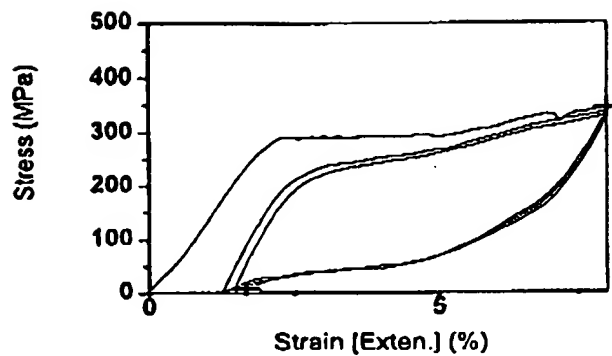


Fig. 17 Alloy of Claim 3 with 20% CW +
850 C/30'/WQ + 350 C/30'/WQ
Tested at -20 C

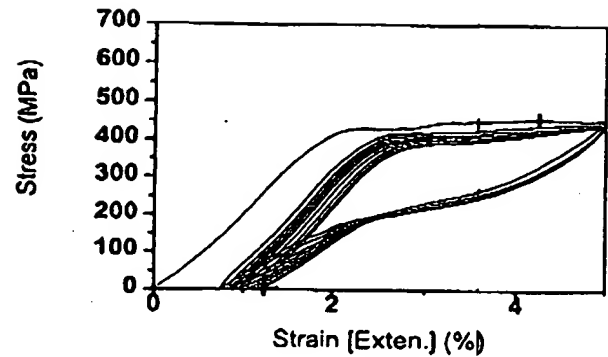


Fig. 18 Alloy of Claim 3 with 29%CW
850 C/30'/WQ +350 C/30'WQ
Given 10 cycles at 5% Strain
Tested at 25 C

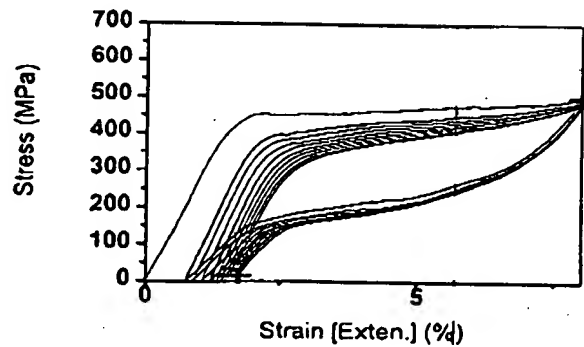


Fig. 19 Alloy of Fig. 18 Tested at
25 C 10 cycles at 8% Strain